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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/007738

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G02B6/43		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G02B H04B H04L G02F G06F		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 500 523 A (HAMANAKA KENJIRO) 19 March 1996 (1996-03-19) column 1, line 15 - line 20 column 4, line 53 - line 55 column 6, lines 3-6; figures 5,16f,18 column 7, line 48 - line 52; figures 6a,6b column 8, line 12 - line 29 column 9, line 15 - line 23 column 14, line 13 - line 67	1-5,8,9
Y	the whole document <div style="text-align: center; margin-top: 20px;">----- -/--</div>	6,7,10,11
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
<div style="display: flex;"> <div style="flex: 1;"> <p>* Special categories of cited documents:</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*Z* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center;">26 October 2004</div>		Date of mailing of the international search report <div style="text-align: center;">04/11/2004</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <div style="text-align: center; margin-top: 20px;">Blau, G</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 856 091 A (TASKA JOHN L) 8 August 1989 (1989-08-08) cited in the application column 3, line 65 - column 4, line 62; figures 1-4 column 5, line 10 - line 53 column 6, line 37 - line 39	12
Y	figure 1	11
Y.	SAUTER G F: "GRADIENT-INDEX LENS OPTICAL BACKPLANE" APPLIED OPTICS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, vol. 33, no. 16, 1 June 1994 (1994-06-01), pages 3446-3453, XP000450238 ISSN: 0003-6935 page 3446; figures 1,7 page 3450	6,7
Y	US 2002/181863 A1 (KIBLER THOMAS ET AL) 5 December 2002 (2002-12-05) paragraph '0007! - paragraph '0008!; figure 2 paragraph '0018!	7
Y	US 2002/030809 A1 (HOSOKAWA TAKAHIRO ET AL) 14 March 2002 (2002-03-14) paragraphs '0061! - '0069!; figures 5,6	10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007738

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5500523	A	19-03-1996	JP 4131820 A	06-05-1992
			JP 4131801 A	06-05-1992
			JP 4130913 A	01-05-1992
			JP 4177515 A	24-06-1992
			JP 4175704 A	23-06-1992
			JP 4270306 A	25-09-1992
			JP 4270301 A	25-09-1992
			JP 4275508 A	01-10-1992
			US 5362961 A	08-11-1994
			DE 69115815 D1	08-02-1996
			EP 0477036 A2	25-03-1992
			EP 0658786 A2	21-06-1995
			US 5202567 A	13-04-1993
US 4856091	A	08-08-1989	EP 0358637 A1	21-03-1990
			JP 4501343 T	05-03-1992
			WO 8808573 A1	03-11-1988
US 2002181863	A1	05-12-2002	DE 10126756 A1	02-01-2003
			EP 1262807 A2	04-12-2002
US 2002030809	A1	14-03-2002	WO 0103481 A1	11-01-2001
			US 2004150812 A1	05-08-2004